

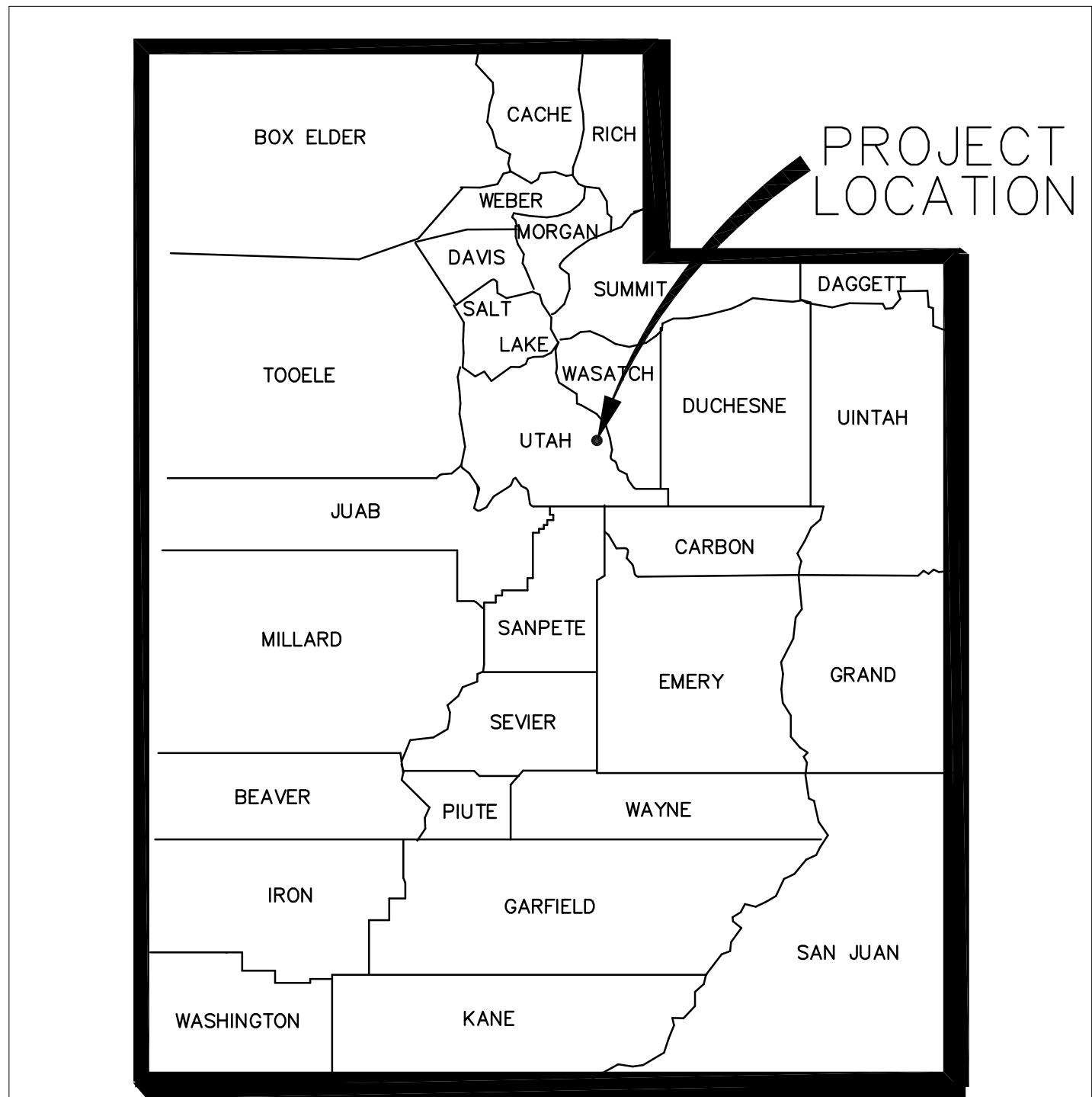
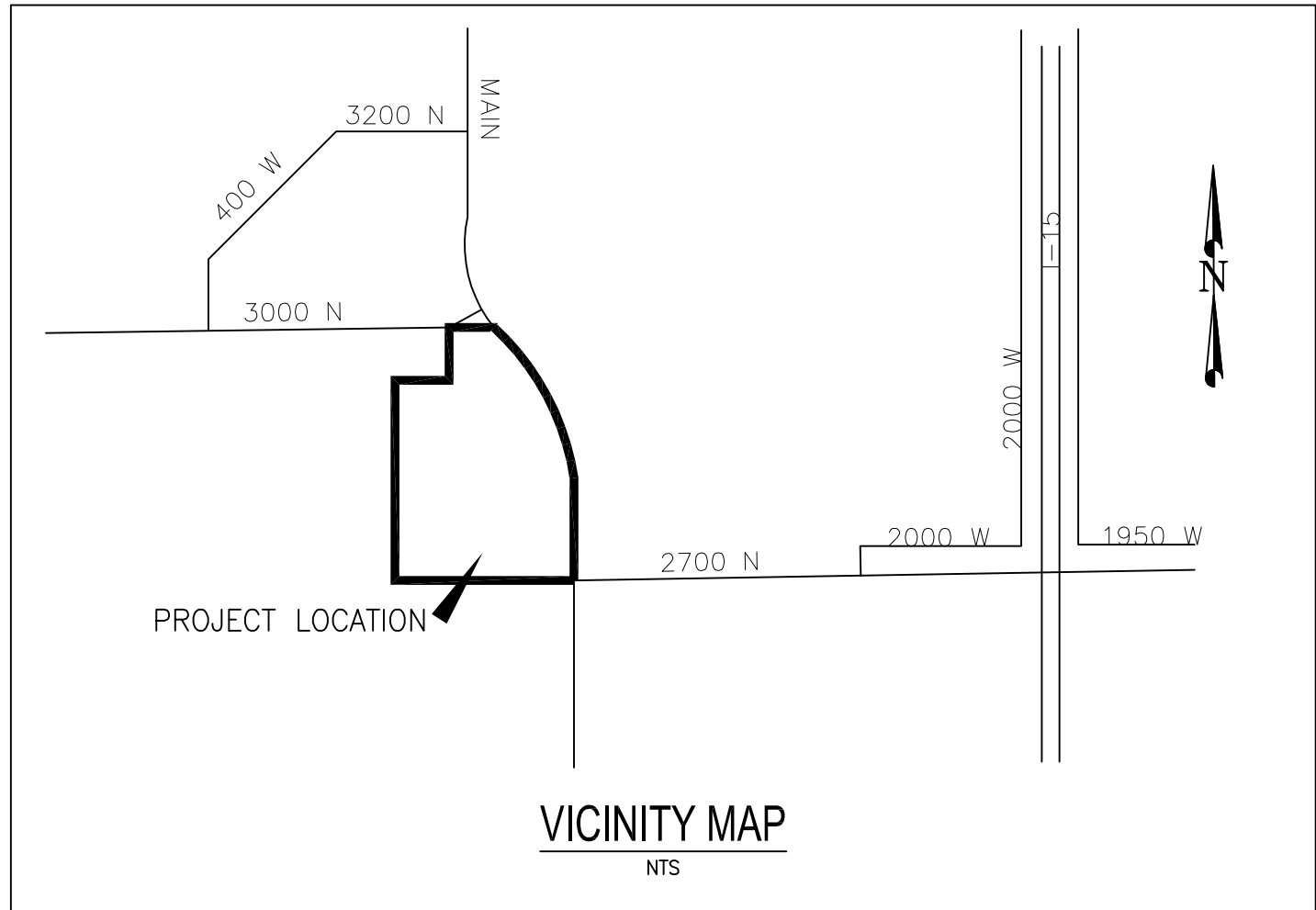


Stantec

SPANISH FORK ARMORY PARKING IMPROVEMENTS PRELIMINARY PLANS

SPANISH FORK, UTAH
AUGUST 24, 2007
Project Number: 186302014

UTAH NATIONAL GUARD
C/O D. SCOTT POTTER
12953 SOUTH MINUTEMAN DRIVE
PO BOX 1776
DRAPER, UTAH 84020-1776
DFCM Project no.07263470 / HFSA #0747.01



SITE LOCATION MAP

APPLICABLE CODES			
	Year		Year
International Building Code	2006	National Electrical Code	2006
International Mechanical Code	2006	Uniform Code for	
International Plumbing Code	2006	Building Conservation	2006
International Fire Code	2006	ADA Accessibility	
International Energy		Guidelines	2003
Conservation Code	2006		

A. Occupancy and Group: S-1
Change in Use: Yes No X Mixed Occupancy: Yes No X
Special Use and Occupancy (e.g. High Rise, Covered Mall): NO

B. Seismic Design Category: Design Wind Speed: mph

C. Type of Construction (circle one):

I	I	II	II	III	III	IV	V	V
A	B	A	B	A	B	HT	A	B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):
North: -0- South: -0- East: -0- West: -0-

E. Mixed Occupancies: NONE Nonseparated Uses: NO

F. Sprinklers:
Required: NO Provided: NO Type of Sprinkler System: -

G. Number of Stories: 1 Building Height: 13'-9"

H. Actual Area per Floor (square feet): 3,840 SF

I. Tabular Area: 9,000 sf

J. Area Modifications:

a) $A_a = A_1 + \left[\frac{A_1 I_1}{100} \right] + \left[\frac{A_1 I_2}{100} \right]$ $I_1 = 100 \left[\frac{F}{P} - 0.25 \right] \frac{W}{30}$

b) Sum of the Ratio Calculations for Mixed Occupancies:
 $\frac{\text{Actual Area}}{\text{Allowable Area}} \leq 1$

c) Total Allowable Area for:
1) One Story:
2) Two Story: A₂(2)
3) Three Story: A₃(3)

d) Unlimited Area Building: Yes No X Code Section:

K. Fire Resistance Rating Requirements for Building Elements (hours).

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	N/A		Floors - Ceiling Floors	N/A	
Interior Bearing Walls	N/A		Roofs - Ceiling Roofs	N/A	
Exterior Non-Bearing Walls	N/A		Exterior Doors and Windows	N/A	
Structural Frame	N/A		Shaft Enclosures	N/A	
Partitions - Permanent	N/A		Fire Walls	N/A	
Fire Barriers	N/A		Fire Partitions	N/A	
	N/A		Smoke Partitions	N/A	

L. Design Occupant Load: 13
Exit Width Required: 2.6' Exit Width Provided: 3'-0" MIN.

M. Minimum Number of Required Plumbing Facilities:
a) Water Closets - Required (m) - (f) - Provided (m) - (f) -
b) Lavatories - Required (m) - (f) - Provided (m) - (f) -
c) Bath Tubs or Showers: -0-
d) Drinking Fountains: - Service Sinks: -

FOOTNOTES:
1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through IV - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
a) High Rise Requirements.
b) Atriums.
c) Performance Based Criteria.
d) Means or Egress Analysis.
e) Fire Assembly Locator Sheet.
f) Exterior and Interior Accessibility Route.
g) Fire Stopping, Including Tested Design Number.

General Notes

- COMPLIANCE:
ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS AND THE MOST RECENT EDITIONS OF THE FOLLOWING: THE INTERNATIONAL PLUMBING CODE, UTAH DRINKING WATER REGULATIONS, APWA MANUAL OF STANDARD PLANS AND SPECIFICATIONS, AND SLC PUBLIC UTILITIES MODIFICATIONS TO APWA STANDARD PLANS AND APPROVED MATERIALS AND SPANISH FORK PUBLIC UTILITIES APWA SPECIFICATIONS MODIFICATIONS. THE CONTRACTOR IS REQUIRED TO ADHERE TO ALL OF THE ABOVE-MENTIONED DOCUMENTS UNLESS OTHERWISE NOTED AND APPROVED IN WRITING BY THE OWNERS REPRESENTATIVE.
- COORDINATION:
THE CONTRACTOR IS RESPONSIBLE TO NOTIFY ALL APPROPRIATE GOVERNMENT AND PRIVATE ENTITIES ASSOCIATED WITH THE PROJECT. ALL APPROPRIATE GOVERNMENT AND PRIVATE ENTITIES MUST BE CONTACTED 48 HOURS PRIOR TO CONSTRUCTION AS APPLICABLE TO THE PROJECT.
- SCHEDULE:
PRIOR TO CONSTRUCTION THE CONTRACTOR WILL PROVIDE, AND WILL UPDATE AS CHANGES OCCUR, A CONSTRUCTION SCHEDULE IN ACCORDANCE WITH THE SPECIFICATIONS AND CITY OR COUNTY REGULATIONS AS APPLICABLE FOR WORKING IN THE PUBLIC WAY.
- PERMITS, FEES AND AGREEMENTS
CONTRACTOR MUST OBTAIN ALL THE NECESSARY PERMITS AND AGREEMENTS AND PAY ALL APPLICABLE FEES PRIOR TO ANY CONSTRUCTION ACTIVITIES. APPLICABLE UTILITY PERMITS MAY INCLUDE MAINLINE EXTENSION AGREEMENTS AND SERVICE CONNECTION PERMITS. ALL UTILITY WORK MUST BE BONDED. ALL CONTRACTORS MUST BE LICENSED TO WORK ON CITY MAINS.
- CONSTRUCTION SITES MUST BE IN COMPLIANCE WITH THE UTAH POLLUTION DISCHARGE ELIMINATION SYSTEM (UPDES) STORM WATER PERMIT FOR CONSTRUCTION ACTIVITIES. A COPY OF THE PERMIT'S STORM WATER POLLUTION PREVENTION PLAN MUST BE SUBMITTED TO PUBLIC UTILITIES FOR REVIEW AND APPROVAL. ADDITIONAL WATER QUALITY AND EROSION CONTROL MEASURES MAY BE REQUIRED. THE CONTRACTOR MUST ALSO COMPLY WITH THE CITY'S CLEAN WHEEL ORDINANCE.
- ASPHALT AND SOIL TESTING
THE CONTRACTOR IS TO PROVIDE MARSHALL AND PROCTOR TEST DATA 24-HOURS PRIOR TO USE. CONTRACTOR IS TO PROVIDE COMPACTION AND DENSITY TESTING AS REQUIRED BY THE OWNER, UDOT, SALT LAKE COUNTY OR OTHER APPLICABLE GOVERNMENT ENTITY. TRENCH BACKFILL MATERIAL AND COMPACTION TESTS ARE TO BE TAKEN PER APWA STANDARD SPECIFICATIONS, SECTION 02320 - BACKFILLING TRENCHES, OR AS REQUIRED BY THE SLC PROJECT ENGINEER IF NATIVE MATERIALS ARE USED. NO NATIVE MATERIALS ARE ALLOWED WITHIN THE PIPE ZONE. THE MAXIMUM LIFTS FOR BACKFILLING EXCAVATIONS IS 8-INCHES. ALL MATERIALS AND COMPACTION TESTING IS TO BE PERFORMED BY A LAB RECOGNIZED AND ACCEPTED BY SPANISH FORK CITY PUBLIC WORKS AND THE OWNER'S REPRESENTATIVE.
- TRAFFIC CONTROL AND HAUL ROUTES
TRAFFIC CONTROL MUST CONFORM TO THE MOST CURRENT EDITION OF SALT LAKE CITY TRAFFIC BARRICADE MANUAL - PART 6 OF "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" FOR SALT LAKE COUNTY AND STATE ROADS. THE CONTRACTOR MUST ALSO CONFORM TO UDOT, COUNTY OR OTHER APPLICABLE GOVERNMENT ENTITIES REQUIREMENTS FOR TRAFFIC CONTROL.
- SURVEY CONTROL
CONTRACTOR MUST PROVIDE A REGISTERED LAND SURVEYOR OR PERSONS UNDER SUPERVISION OF A REGISTERED LAND SURVEYOR TO SET STAKES FOR ALIGNMENT AND GRADE OF EACH MAIN AND/OR FACILITY AS SHOWN ON THE PLANS. THE STAKES SHALL BE MARKED WITH THE HORIZONTAL LOCATION (STATION) AND VERTICAL LOCATION (GRADE) WITH CUTS AND/OR FILLS TO THE APPROVED GRADE OF THE MAIN AND OR FACILITY AS SHOWN ON THE PLANS. CONTRACTOR WILL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL MONUMENTS AND REFERENCE MARKS WITHIN THE PROJECT SITE.
- ASPHALT GUARANTEE
THE CONTRACTOR SHALL FURNISH AND PLACE PERMANENT ASPHALT PER APWA STANDARD PLAN 255 OR UDOT, COUNTY, OR OTHER GOVERNMENT STANDARDS AS APPLICABLE TO THE PROJECT. THE CONTRACTOR SHALL GUARANTEE THE ASPHALT RESTORATION FOR A PERIOD OF TWO YEARS. ALL SAW CUTS MUST MEET CITY ENGINEERING, UDOT, SALT LAKE COUNTY OR OTHER STANDARDS AS APPLICABLE TO THE PROJECT.

9. TEMPORARY ASPHALT
IF THE CONTRACTOR CHOOSES TO WORK ON A PUBLIC WORKS PROJECT OR WITHIN THE PUBLIC WAY WHEN HOT MIX ASPHALT IS NOT AVAILABLE, THE CONTRACTOR MUST OBTAIN APPROVAL FROM THE APPROPRIATE GOVERNMENT AGENCY PRIOR TO INSTALLING TEMPORARY ASPHALT SURFACING MATERIAL. WHEN PERMANENT ASPHALT BECOMES AVAILABLE, THE CONTRACTOR SHALL REMOVE THE TEMPORARY ASPHALT, FURNISH AND INSTALL THE PERMANENT ASPHALT. THE CONTRACTOR SHALL GUARANTEE THE ASPHALT RESTORATION FOR A PERIOD OF TWO YEARS FROM THE DATE OF COMPLETION.

10. SAFETY
THE CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF THE PROJECT AND SHALL MEET ALL OSHA REQUIREMENTS.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFORMING TO LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES, AND FOR THE PROTECTION OF WORKERS.

11. DUST CONTROL
THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL ACCORDING TO GOVERNING AGENCY STANDARDS. USE OF HYDRANT WATER OR PUMPING FROM CITY OWNED CANALS OR STORM DRAINAGE FACILITIES IS NOT ALLOWED FOR DUST CONTROL ACTIVITIES.

12. DEWATERING
ALL ON-SITE DEWATERING ACTIVITIES MUST BE APPROVED IN WRITING BY PUBLIC UTILITIES. PROPOSED OUTFALL LOCATIONS SHOWN ON THE PLANS AND ESTIMATED FLOW VOLUME CALCULATIONS MUST BE SUBMITTED TO PUBLIC UTILITIES FOR REVIEW AND APPROVAL. ADEQUATE MEASURES MUST BE TAKEN TO REMOVE ALL SEDIMENT PRIOR TO DISCHARGE. PUBLIC UTILITIES MAY REQUIRE ADDITIONAL MEASURES FOR SEDIMENT CONTROL AND REMOVAL.

13. RESPONSIBILITY / PROJECT LIMITS
THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT ALL EXISTING PUBLIC AND PRIVATE, ROADWAY AND UTILITY IMPROVEMENTS. DAMAGE TO EXISTING IMPROVEMENTS CAUSED BY THE CONTRACTOR, MUST BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE, TO THE SATISFACTION OF THE OWNER OF SAID IMPROVEMENTS. THE CONTRACTOR IS REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE APPROVED PROJECT LIMITS. THIS INCLUDES, BUT IS NOT LIMITED TO, VEHICLE AND EQUIPMENT STAGING, MATERIAL STORAGE AND LIMITS OF TRENCH EXCAVATION. IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN PERMISSION AND/OR EASEMENTS FROM THE APPROPRIATE GOVERNMENT AGENCY AND/OR INDIVIDUAL PROPERTY OWNER(S) FOR WORK OR STAGING OUTSIDE OF THE PROJECT LIMITS.

14. UTILITIES
A. INSPECTIONS -
IT IS THE CONTRACTOR'S RESPONSIBILITY TO SCHEDULE INSPECTIONS AS APPLICABLE TO THE PROJECT 48-HOURS PRIOR TO WHEN NEEDED.

B. DAMAGE TO EXISTING UTILITIES - THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE, CAUSED BY ANY CONDITION INCLUDING SETTLEMENT, TO EXISTING UTILITIES FROM WORK PERFORMED AT OR NEAR EXISTING UTILITIES.

C. UTILITY LOCATIONS - CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING AND AVOIDING ALL UTILITIES AND SERVICE LATERALS, AND FOR REPAIRING ALL DAMAGE THAT OCCURS TO THE UTILITIES DUE TO THE CONTRACTOR'S ACTIVITIES.

D. POTHOLES - CONTRACTOR IS TO VERIFY LOCATION, DEPTH, SIZE, TYPE AND OUTSIDE DIAMETERS OF UTILITIES IN THE FIELD BY POTHOLES A MINIMUM OF 300 FEET AHEAD OF PIPELINE CONSTRUCTION TO AVOID CONFLICTS WITH DESIGNED PIPELINE GRADE AND ALIGNMENT.

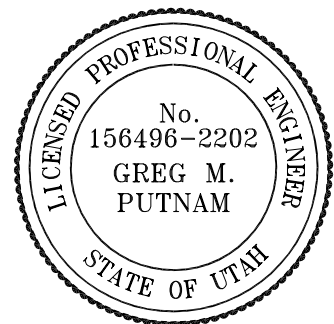
E. UTILITY RELOCATIONS - FOR UTILITY CONFLICTS REQUIRING MAINLINE RELOCATIONS, THE CONTRACTOR MUST NOTIFY THE APPLICABLE UTILITY COMPANY OR USER A MINIMUM OF 2-WEEKS IN ADVANCE. ONE WEEK NOTIFICATION IS REQUIRED FOR CONFLICTS REQUIRING THE RELOCATION OF SERVICE LATERALS. ALL RELOCATIONS ARE SUBJECT TO APPROVAL FROM THE APPLICABLE UTILITY COMPANY OR USER.

F. FIELD CHANGES -NO ROADWAY OR UTILITY ALIGNMENT OR GRADE CHANGES ARE ALLOWED FROM THE APPROVED CONSTRUCTION PLANS/DOCUMENTS WITHOUT APPROVAL FROM THE OWNERS REPRESENTATIVE.

G. PUBLIC NOTICE TO PROJECTS IN THE PUBLIC WAY- FOR WORK IN THE PUBLIC WAY, THE CONTRACTOR IS RESPONSIBLE TO PROVIDE AND DISTRIBUTE WRITTEN NOTICE TO ALL POTENTIALLY AFFECTED PROPERTY OWNERS LOCATED WITHIN THE PROJECT AREA AT LEAST 72-HOURS PRIOR TO CONSTRUCTION.

INDEX OF DRAWINGS

- C-1 COVER SHEET
- O-1 OVERALL GRADING PLAN
- O-2 PARKING GRADING AND DRAINAGE PLAN
- O-3 EROSION CONTROL PLAN
- O-4 BUILDING SITE PLAN
- O-5 NORTH ACCESS APRON
- O-6 FENCING DETAIL SHEET
- AE101 FLOOR PLAN, ROOF PLAN & DETAILS
- INDER OF ELECTRICAL DRAWINGS
- EG001 SYMBOLS, SCHEDULES NOTE, & FLOOR PLANS
- ES101 ELECRICAL SITE PLAN
- EX101 ONE LINE DIAGRAM & PANELBOARD SCHEDULE



ENGINEER: GREG M. PUTNAM

DATE:



The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing – any errors or omissions shall be reported to Stantec without delay.

The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Legend

LEGEND

-

Notes



Revision	By	Appd.	YY.MM.DD
1 PRELIMINARY SUBMITTAL	AEA	GP	07/10/07
Issued	By	Appd.	YY.MM.DD

File Name: 02014c-gp.dwg	AEA	GP	AEA	07/05/07
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

Client/Project

UTAH NATIONAL GUARD
SPANISH FORK ARMORY
PARKING IMPROVEMENTS
Spanish Fork UT U.S.A.

Title

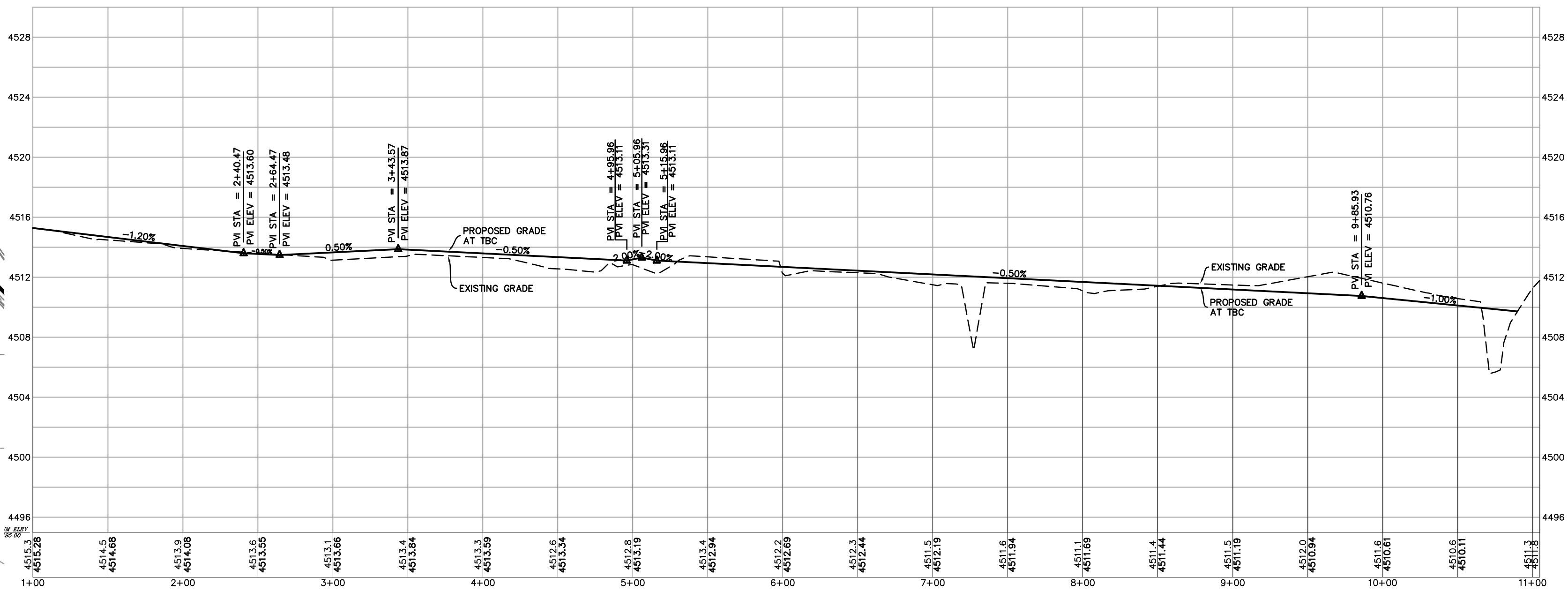
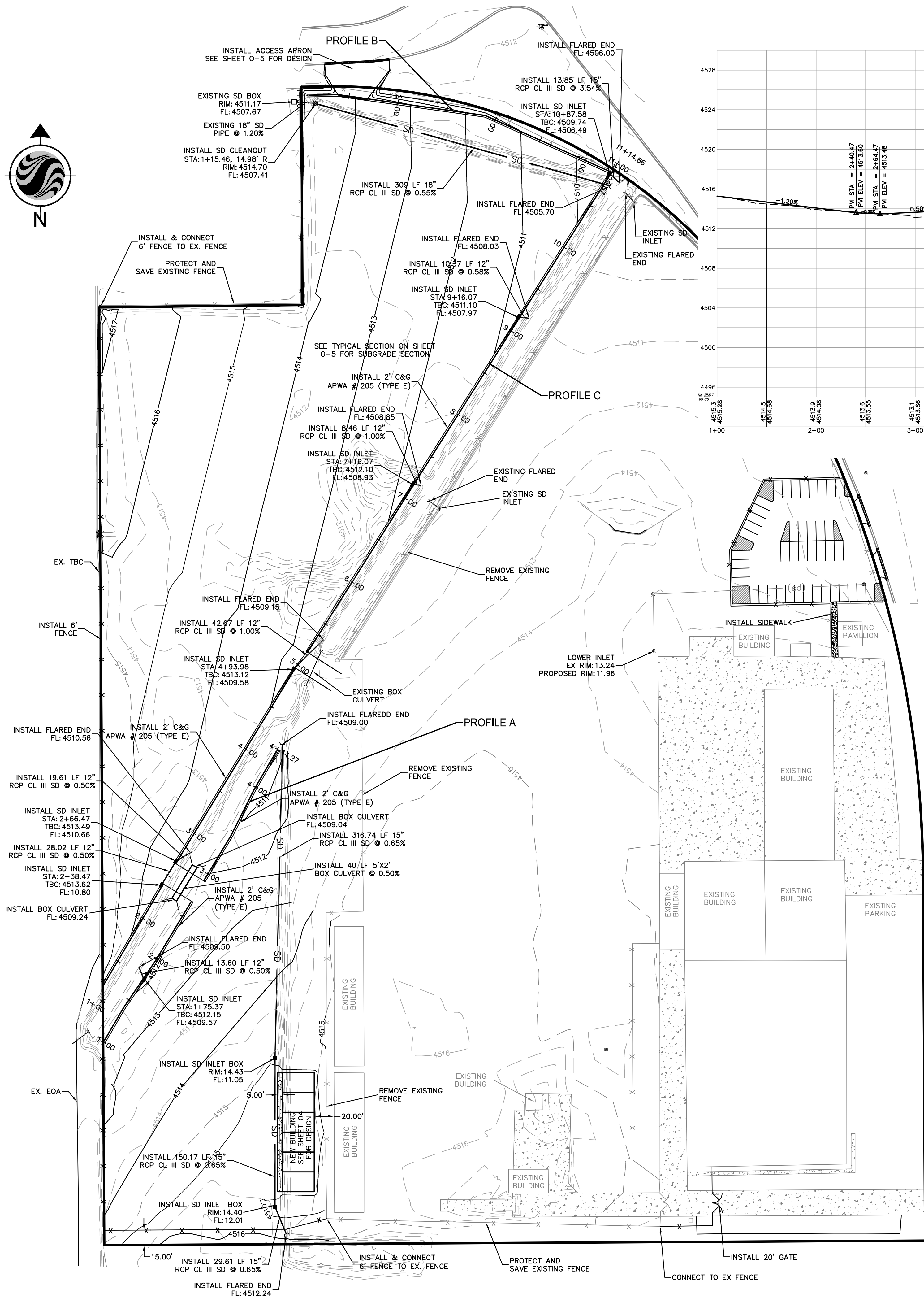
OVERALL GRADING PLAN

Project No. 186302014	Scale 1" = 60'	
Drawing No.	Sheet	Revision

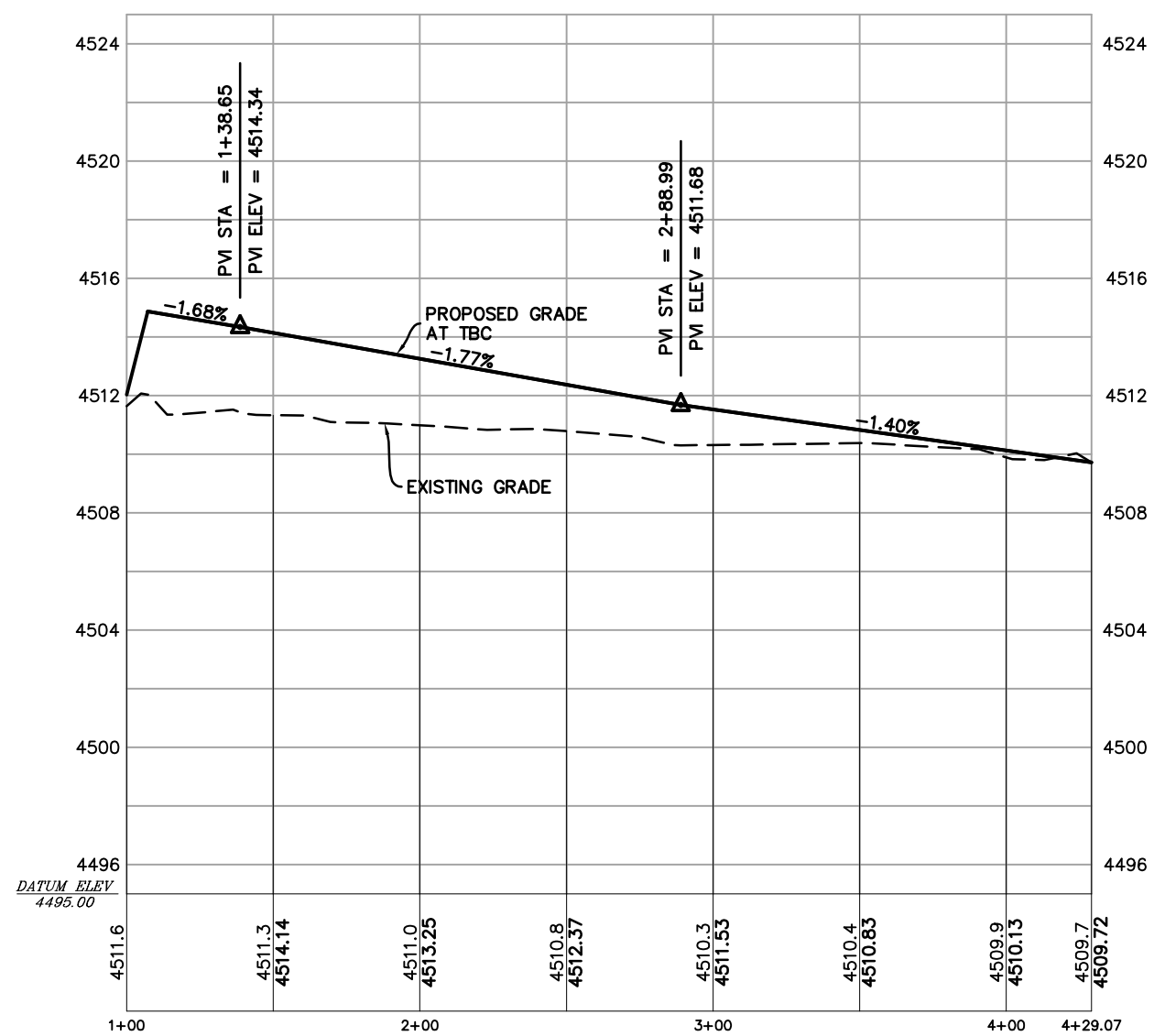
0-1

Of

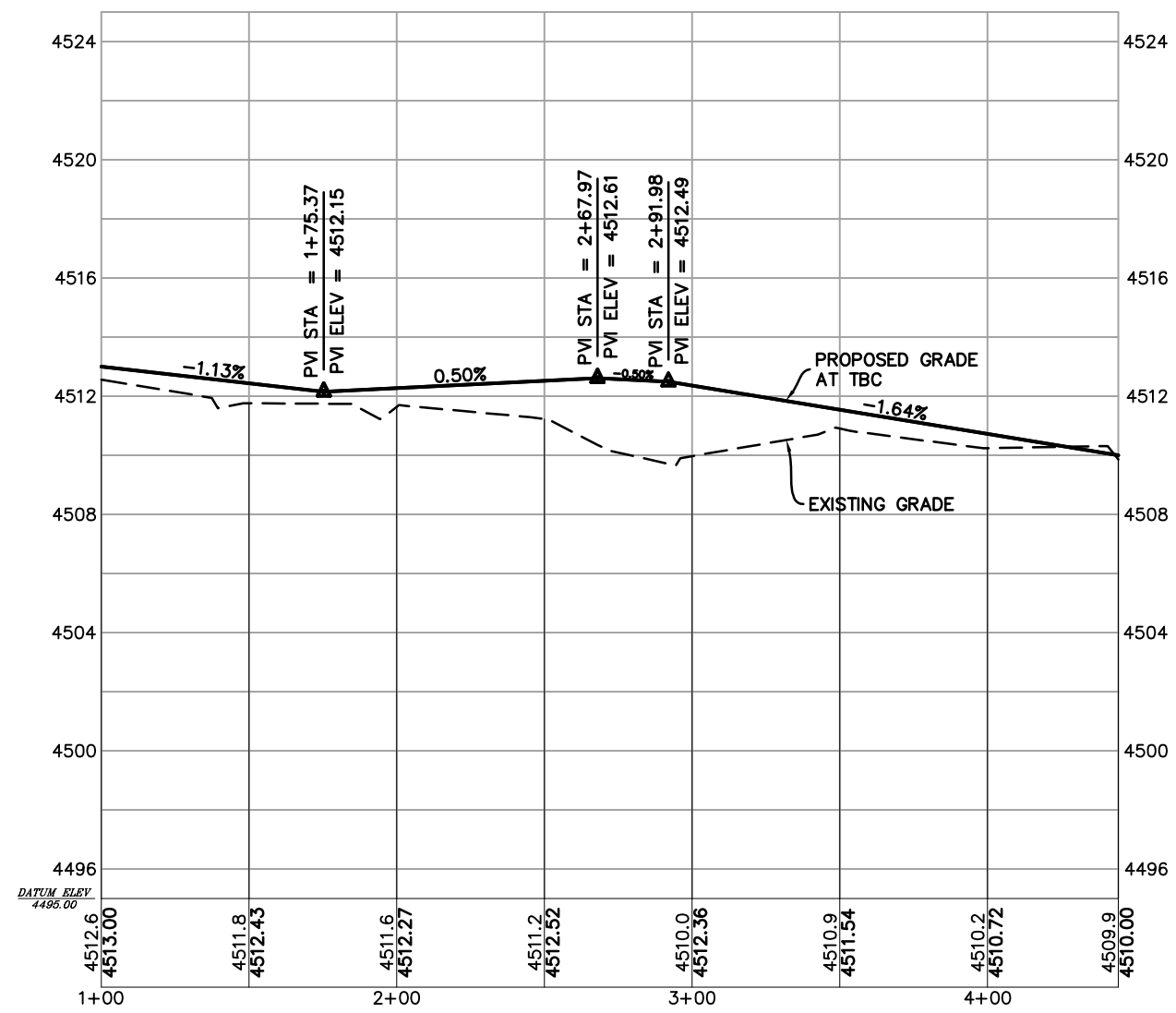
0



PROFILE C



PROFILE B

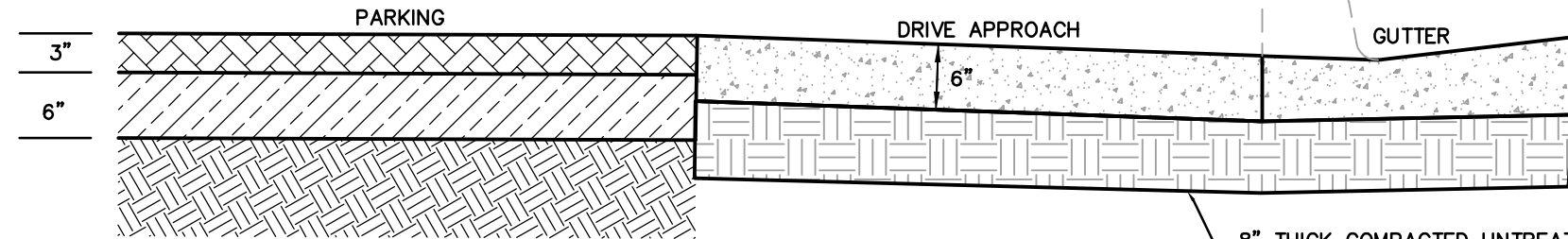


PROFILE A

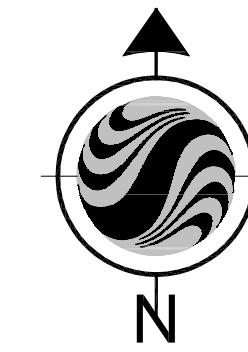
\\s05253\project\186302014\drawing\sheet\02014c-gp parking.dwg
2007-08-03 10:34PM By: [unclear]

ORIGINAL SHEET - ARCH D

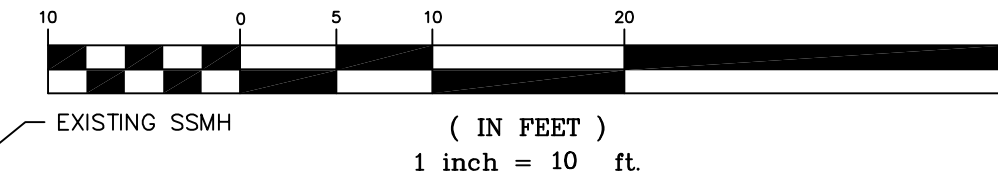
AC PAVEMENT
3/4" MINUS UNTREATED BASE
COURSE COMPACTED TO 95% MAX.
MODIFIED PROCTOR DENSITY
PROPERLY PREPARED SUBGRADE
SOIL AND/OR STRUCTURAL SITE
GRADING FILL



PARKING AREA AND DRIVEWAY APPROACH A-A



GRAPHIC SCALE



Stantec

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Consultants

Legend

LEGEND

	SD	RCP CL III STORM DRAIN
	(sd)	EXISTING STORM DRAIN
	S	SD COMBOBOX, CB & CO
	-4500-	EXISTING GRADE CONTOURS
	-4500-	FINISH GRADE CONTOURS

Notes



Revision

By Appd. YY.MM.DD

1 PRELIMINARY SUBMITTAL AEA GP 07/10/07

Issued By Appd. YY.MM.DD

File Name: 02014c-gp parking.dwg AEA GP AEA 07/05/07

Dwn. Chkd. Dsgn. YY.MM.DD

Permit-Seal

Client/Project

UTAH NATIONAL GUARD
SPANISH FORK ARMORY
PARKING IMPROVEMENTS
Spanish Fork UT U.S.A.

Title

PARKING GRADING AND
DRAINAGE PLAN

Project No. 186302014

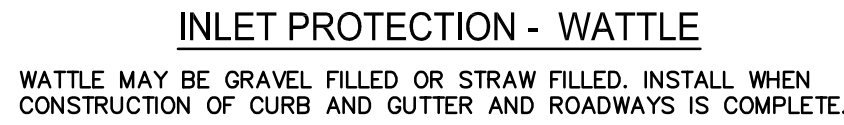
Scale 1" = 10'

Drawing No. Sheet of Revision

0-2

of

0



EROSION CONTROL NOTES:

1. CONTROLLING SEDIMENT TRANSPORT AND PREVENTING AND/OR CORRECTING PROBLEMS ASSOCIATED WITH EROSION AND RUNOFF PROBLEMS THAT COULD OCCUR BOTH DURING AND AFTER PROJECT CONSTRUCTION WILL BE CLOSELY MONITORED. PERIODIC MAINTENANCE AND INSPECTION OF SEDIMENT CONTROL DEVICES WILL BE SCHEDULED. PARTICULAR ATTENTION SHALL BE GIVEN TO EXISTING DRAINAGE PATTERNS THAT RUN THROUGH DISTURBED AREAS AND OVER EXPOSED SLOPES. THESE DRAINAGE LINES WILL BE IDENTIFIED AND MARKED. EXCESSIVE WATER WILL BE CONCENTRATED. PROVISIONS SHALL BE MADE TO CHANNEL RUNOFF AWAY FROM NEW OR EXISTING IMPROVEMENTS TO PREVENT UNDERMINING AND GENERAL SITE EROSION. THESE PROVISIONS SHALL BE MAINTAINED AND SHALL REMAIN IN PLACE UNTIL THE PERMANENT STORM DRAINAGE FACILITIES ARE INSTALLED AND FUNCTIONAL.
2. EROSION CONTROL - A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN PREPARED IN ACCORDANCE WITH THE UTAH POLLUTANT DISCHARGE ELIMINATION SYSTEM (UPDES) PERMIT FOR EROSION CONTROL. THE SWPPP WILL BE MONITORED AND MAINTAINED TO THE BEST OF THE BEST OF INTENT (NOI) HAS BEEN SUBMITTED TO OBTAIN THE UPDES CONSTRUCTION PERMIT. A COPY OF THE PLAN MUST BE ON SITE AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE SWPPP AND FOR MONITORING AND MAINTAINING THE EROSION CONTROL FACILITIES WITH EACH PASS OF WORK. SHOULD SILT LEAVE THE SITE OR EROSION OCCURS, IT WILL BE THE CONTRACTORS RESPONSIBILITY TO TAKE CORRECTIVE ACTION AND REPAIR ANY DAMAGE CAUSED BY THE SILT OR EROSION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MODIFICATION AND APPROVAL OF THE PLAN WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. BEFORE CONSTRUCTION BEGINS, THE LIMITS OF DISTURBANCE (LOD) BOUNDARY SHALL BE FLAGGED ON SITE AND APPROVED BY THE ENGINEER. UNDER NO CIRCUMSTANCES SHALL SITE DISTURBANCE OCCUR OUTSIDE THE DESIGNATED AREAS AT ANY TIME DURING CONSTRUCTION.
4. EXCAVATION AND EMBANKMENT OPERATIONS SHALL PROCEED IN SUCH A MANNER SO THAT FINISHING OPERATIONS WILL BE LIMITED TO THE MINIMUM NECESSARY. EROSION PROTECTION SHALL BE INSTALLED AFTER ROUGH GRADING. ALL SLOPES 2:1 OR FLATTER SHALL BE SCARIFIED WITH HEAVY EQUIPMENT, LEAVING TRACKS PERPENDICULAR TO THE SLOPE.
5. CUT SLOPES SHALL BE 1:1 MAXIMUM AND FILL SLOPES 2:1 MAXIMUM UNLESS ROCK IS ENCOUNTERED. CUT SLOPES IN ROCK MAY BE STEEPENED, DEPENDING UPON GEOTECHNICAL CONSIDERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND OTHER APPROPRIATE MEASURES. USE 3:1 FILL BEYOND THE CATCH POINT. SLOPE ROUNDING SHALL OCCUR AS THE SLOPE IS BEING BROUGHT TO THE FINAL GRADE. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED UNTIL THE DEVELOPED IN CONCEPT WITH THE EXISTING NATURAL CONTOURS, SCALE AND VEGETATION OF NATURAL TERRAIN.
6. STABILIZATION PRACTICES MAY ASSOCIATE, BUT NOT BE LIMITED TO, TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SOD STABILIZATION, VEGETATIVE BUFFER STRIPS, PROTECTION OF EXISTING VEGETATION, EROSION RESISTANT MATERIALS AND OTHER APPROPRIATE MEASURES. USE OF IMPERVIOUS SURFACES FOR STABILIZATION SHALL BE AVOIDED, EXCEPT AS PROVIDED BELOW. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE IN DISTURBED PORTIONS OF THE PROJECT. EROSION CONTROL MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE IN CASE AREAS MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TERMINATED OR PERMANENTLY CEASED.
 - A. WHERE DEEP SNOW OR FROZEN GROUND CONDITIONS PRECLUDE THE INITIATION OF STABILIZATION MEASURES BY THE CONTRACTOR, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - B. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH DISTURBS WILL RESUME WITHIN 21 WORKING DAYS, TEMPORARY STABILIZATION MEASURES SHALL NOT BE INITIATED ON THAT PORTION OF THE SITE.
7. SPECIFICALLY IDENTIFIED DISTURBED AREAS, BOTH ON AND OFF-SITE SHALL BE REVEGETATED. THESE AREAS SHALL INCLUDE, BUT NOT BE LIMITED TO, UNSURFACED AREAS WITHIN THE FLAGGED LOD, EXISTING EROSION CONTROL FACILITIES, EXISTING EROSION CONTROL FACILITIES, CONSTRUCTION AREAS, BENCHES AREAS, INCLUDING RETAINING WALL BENCHES, AND TEMPORARY OR EXISTING EROSION CONTROL FACILITIES. EROSION CONTROL MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE. THE PLACEMENT OF EROSION CONTROL/REVEGETATION MATTING, SLOPES LESS THAN 3:1 MAY BE SPRAYED WITH TACKIFIER, ROCK CUTS STEEPER THAN 1:1 WILL NOT BE REVEGETATED.
8. SEDIMENT TRAPS MUST OUTLET OUTLET STABILIZED (PREFERABLY UNDISTURBED) GROUND OR LEFT TO PERCOLATE INTO THE GROUND.
9. CONTROLLED OUTLETS SHALL DIRECT COLLECTED RUNOFF THROUGH SILT FENCES OR BATCH BALES
10. TYPICAL FUGITIVE DUST SHALL BE CONTROLLED BY WATERING AND/OR CHEMICAL STABILIZATION, PROVIDING VEGETATIVE OR SYNTHETIC COVER AND WIND BREAKS ARE CONSISTENT WITH THE UTAH STATE DIVISION OF AIR QUALITY STANDARDS.
11. ANY SEDIMENT TRACKED OFF-SITE SHALL BE REMOVED PRIOR TO THE END OF THE WORK SHIFT OR PRIOR TO SUNSET, WHICHEVER COMES FIRST.
12. CONTRACTOR MAY ADJUST THE LOCATIONS OF THE CONSTRUCTION FENCE, CONSTRUCTION AREA, CONSTRUCTION MATERIALS RECEIVING AND STORAGE AREAS, AS NEEEDED TO ACCOMPLISH THE CONSTRUCTION. ALL CHANGES SHALL BE NOTICED ON THE EROSION CONTROL PLAN.
13. CONTRACTOR SHALL CONDUCT PERIODIC INSPECTIONS OF THE EROSION CONTROL MEASURES, AS REQUIRED BY THE SWPPP. THE CONTRACTOR WILL MAINTAIN A LOG ON-SITE OF ALL INSPECTIONS WITH THE SWPPP.



Copyright Reserved

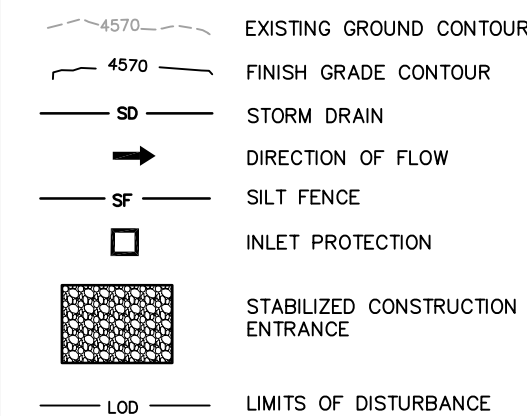
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing – any errors or omissions shall be reported to Stantec without delay.

The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Consultants

Legend

LEGEND



Notes



Revision	By	Appd.	YY.MM.DD
1 PRELIMINARY SUBMITTAL	AEA	GP	07/10/07
Issued	By	Appd.	YY.MM.DD

File Name: 02014c-gp.dwg	AEA	GP	AEA	07/05/07
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

Client/Project

UTAH NATIONAL GUARD
SPANISH FORK ARMORY
PARKING IMPROVEMENTS
Spanish Fork UT U.S.A.

Title

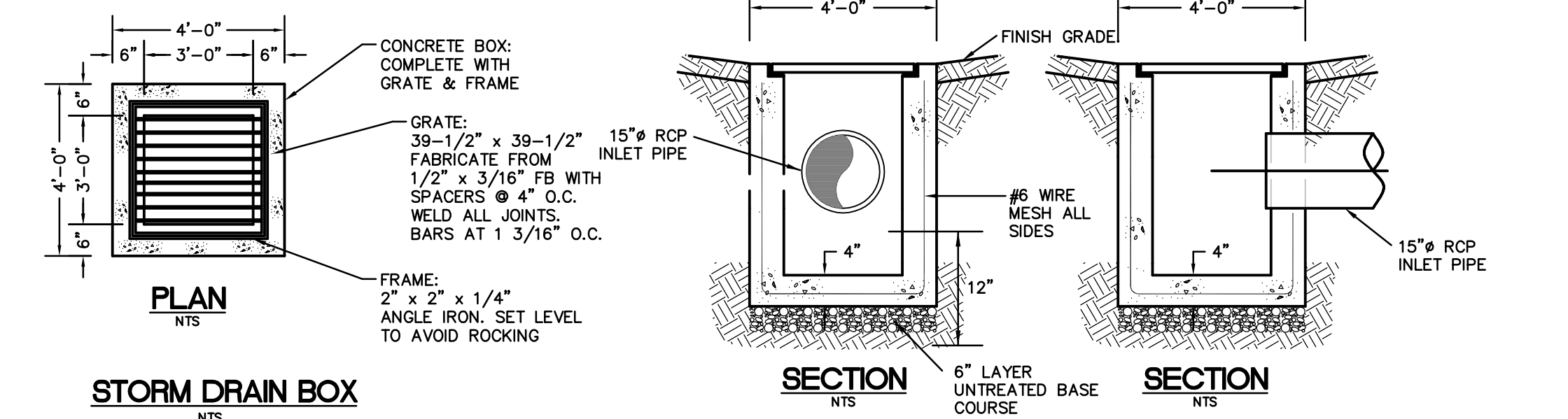
EROSION CONTROL PLAN

Project No. 186302014	Scale 1" = 60'	
Drawing No.	Sheet	Revision

0-3

Of

0



TYPE	SIZE (BF × LF)	BARs (A)
F1	5.0x5.0	8#5
F2	5.0x5.0	8#5

Technical drawing showing a side elevation and a detail view of a beam-to-column connection.

Side Elevation:

- GRADE BEAM:** The vertical structural member.
- TIE BEAM:** The horizontal structural member.
- BASE PLATE:** The plate connecting the tie beam to the grade beam.
- Dimensions:**
 - BF:** Beam Face to Face (vertical dimension).
 - LF:** Line Face to Face (horizontal dimension).
 - H:** Height of the base plate.
 - 2":** Thickness of the base plate.
 - 2":** Radius of the fillet at the corner of the base plate.
 - 1" CHAMFER:** Chamfer on the tie beam.

Detail View 1:

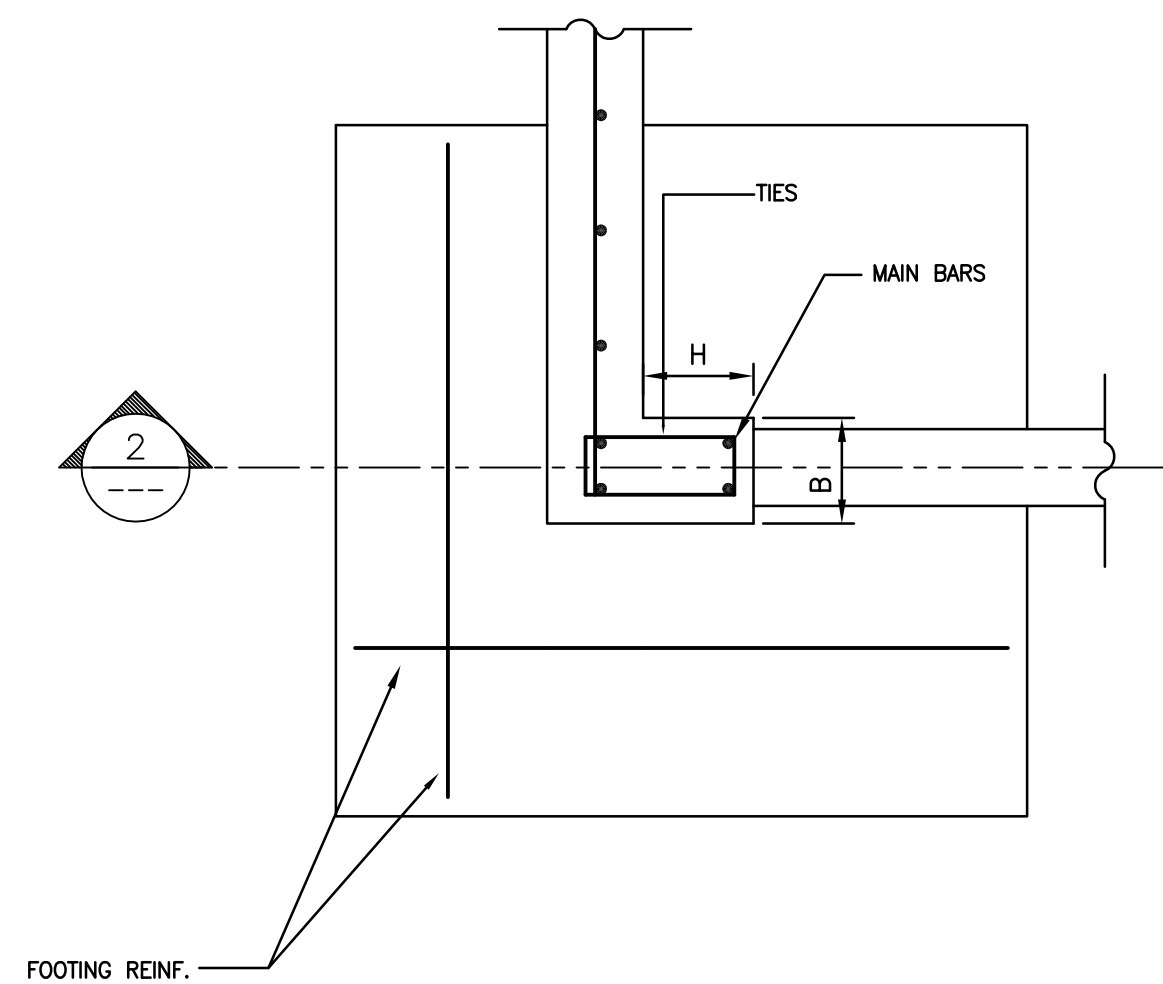
- Shows a cross-section of the tie beam.
- Indicates a **2"** radius and a **1" CHAMFER**.

PLAN VIEW - DIMENSIONS

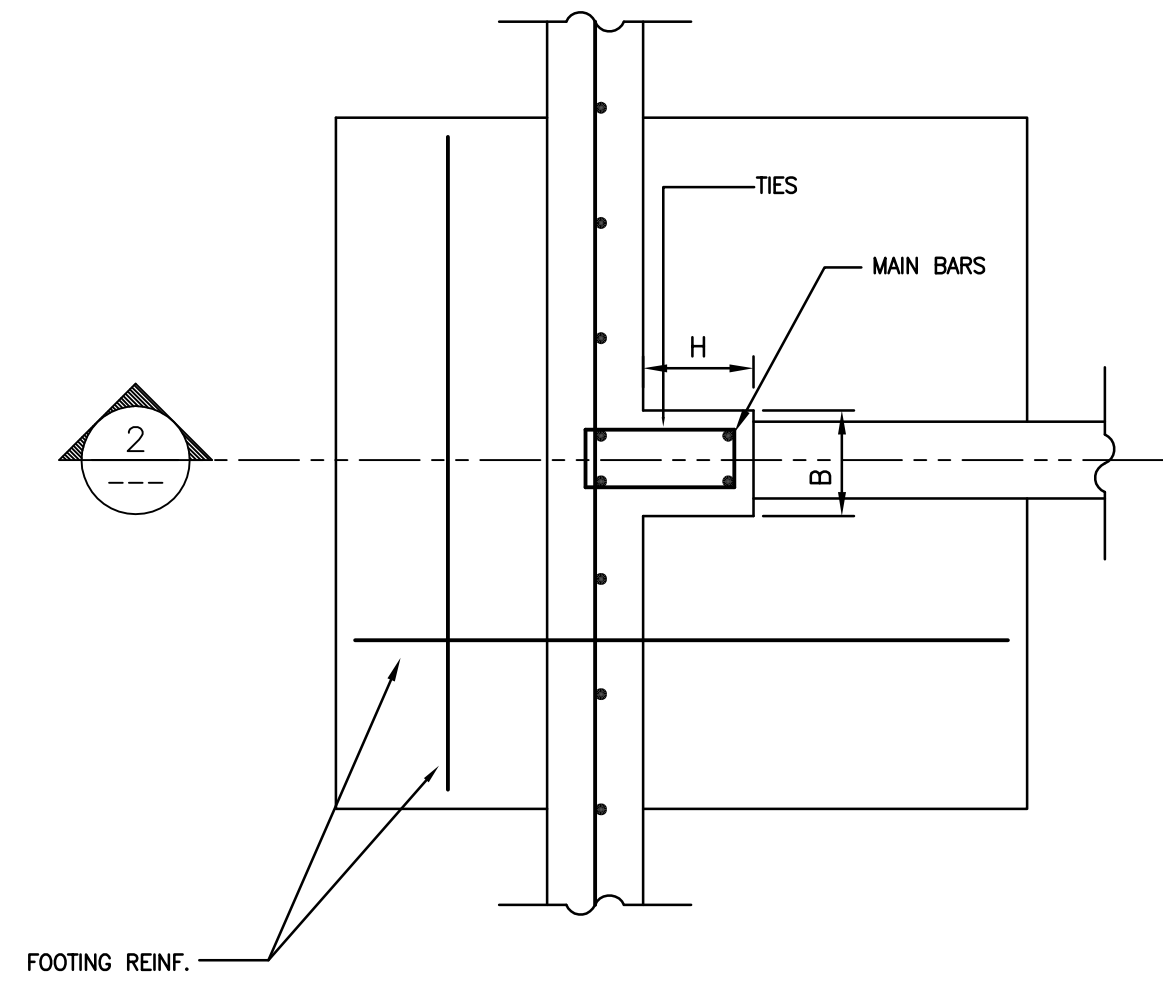
SEC VIEW - 1 OUTSIDE FOOTING

Diagram of a rectangular column cross-section. The column is 12" high and 8" wide. It features 2 #5 TOP & BOTT. bars and #3 @ 18" STIRRUPS.

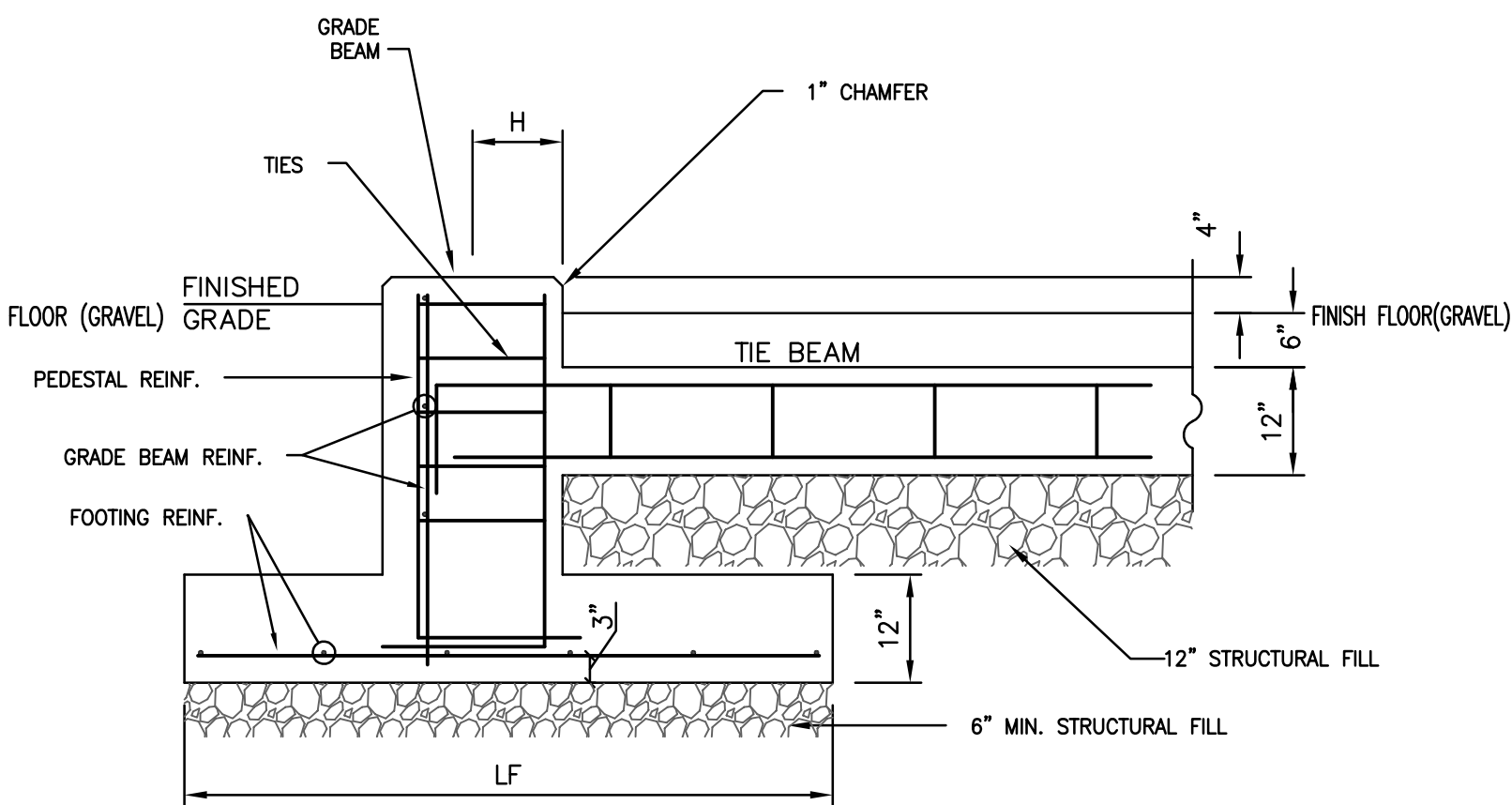
SEC VIEW - 3 TIE BEAM



PLAN VIEW - CORNER FOOTING



PLAN VIEW - REINFORCEMENT



SEC VIEW - 2 AT PEDESTAL



Revision	By	Appd.	YY.MM.DD
1 PRELIMINARY SUBMITTAL	AEA	GP	07/10/07
Issued	By	Appd.	YY.MM.DD

File Name: 02014c-building site plan.dwg	AEA	GP	AEA	07/05/07
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

PRELIMINARY

1- FOR BIDDING PURPOSES ONLY. NOT FOR CONSTRUCTION
2- FOUNDATION DIMENTIONS & REINFORCEMENT MIGHT CHANGE
PENDING GEOTECHNICAL INFORMATION & FOUNDATION REACTIONS
& OTHER BUILDING FACTORS

Client/Project

UTAH NATIONAL GUARD
SPANISH FORK ARMORY
PARKING IMPROVEMENTS
Spanish Fork UT U.S.A.

Title

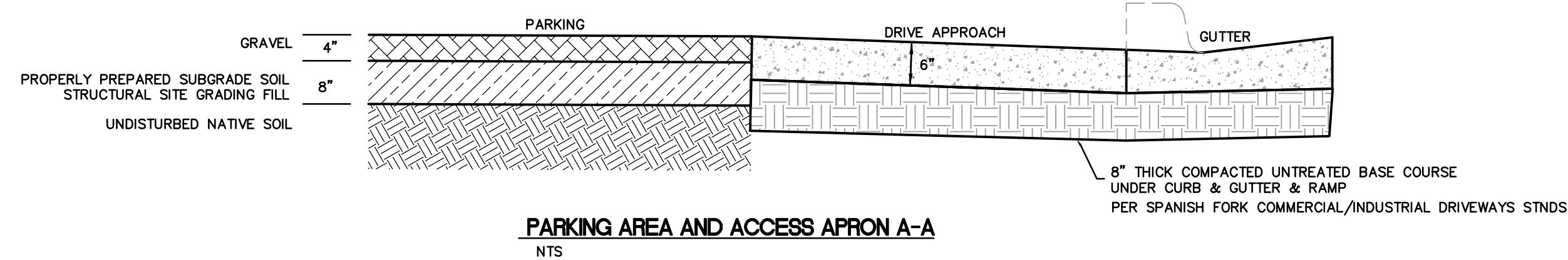
BUILDING SITE PLAN

Project No. 186302014	Scale 1" = 20'	
Drawing No.	Sheet	Revision

0-4

of

0



Stantec Consulting Inc.
Suite 300, 3995 South 700 East
Salt Lake City UT U.S.A.
84107
Tel. 801.743.0696
Fax. 801.743.0697
www.stantec.com

Stantec

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.

The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Consultants

Legend

LEGEND

SD RCP CL III STORM DRAIN

(sd) EXISTING STORM DRAIN

SD COMBOBOX, CB & CO

EXISTING GRADE CONTOURS

4500 FINISH GRADE CONTOURS

EXISTING FENCE

Notes



Revision	By	Appd.	YY.MM.DD
1 PRELIMINARY SUBMITTAL	AEA	GP	07/10/07
Issued	By	Appd.	YY.MM.DD

File Name: 02014c-building site plan.dwg	AEA	GP	AEA	07/05/07
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

[illegible]

UTAH NATIONAL GUARD
SPANISH FORK ARMORY
PARKING IMPROVEMENTS
Spanish Fork UT U.S.A.

Title

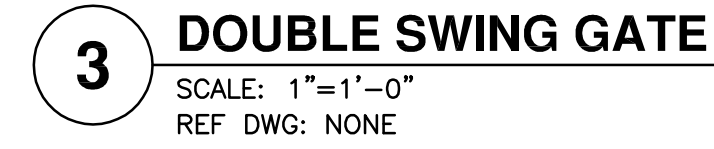
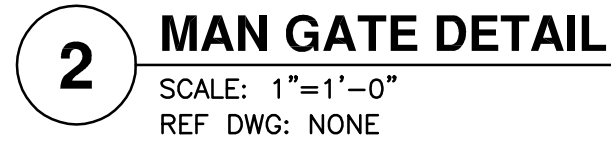
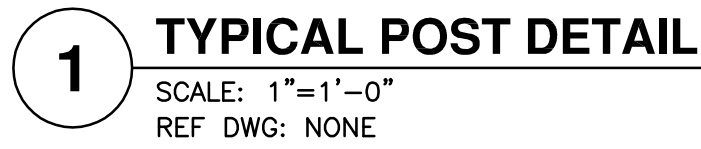
NORTH ACCESS APRON

Project No. 186302014	Scale 1" = 20'	
Drawing No.	Sheet	Revision

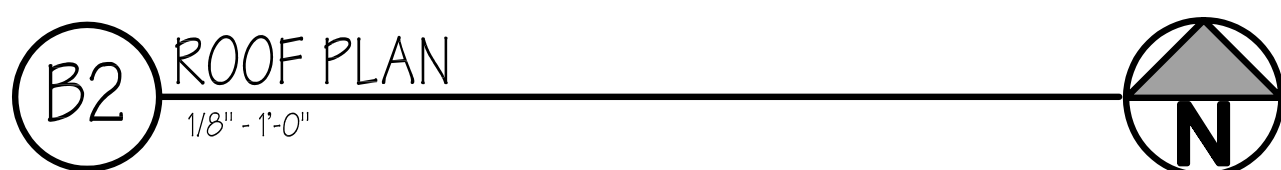
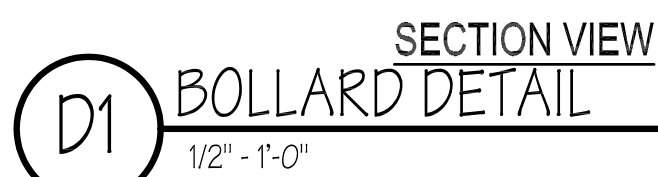
0-5

•

•



ORIGINAL SHEET - ARCH D



ALTERNATE #1: PROVIDE FLOOR TO DECK WIRE MESH PARTITIONS, FRAMES, 3'-0" X 7'-0" GATES AND HARDWARE AS SHOWN FOR EACH OF SIX UNITS TO BE INSTALLED BY THE OWNER - PRICE PER BAY- IN ADDITION TO THE PARTITIONS BETWEEN EACH UNIT ALREADY IN CONTRACT.

NEW CONCRETE SLAB, **SEE SHEET 04.**

30"x12" LOUVERED VENT W/ BUG SCREEN @ 12" A.F.F. - TYPICAL @ EACH BAY

30"x12" LOUVERED VENT W/ BUG SCREEN @ 12" OFF CLG - TYPICAL

LIGHT FIXTURE ABOVE, TYP. - SEE ELECTRICAL.

SKYLIGHT OR TRANSLUCENT PANEL ABOVE, TYP.

SKYLIGHT OR TRANSLUCENT PANEL BY BUILDING MANUFACTURER - 20 S.F. MIN.

36" HOLLOW METAL DOOR IN HOLLOW METAL FRAME.

CONCRETE OVER GRAVEL BASE, **SEE SHEET 04.**

NOT USED

WIRE MESH PARTITION, FLOOR TO DECK.

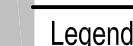
CONCRETE PIERS & STEEL COLUMNS, TYP. **SEE SHEET 04.**

6" PIPE CONCRETE FILLED BOLLARDS - PAINT YELLOW.

96"x 120" METAL OVERHEAD DOOR.

CRACK CONTROL JOINT IN SLAB FROM PIER TO PIER @ EACH GRID LINE (TYP @ ALL GRIDS)

1. NOTIFY ARCHITECT IF ANY EXISTING CONDITIONS VARY FROM THOSE SHOWN ON THE DRAWINGS.
2. REPAIR DAMAGE TO EXISTING ELEMENTS TO REMAIN RESULTING FROM DEMOLITION.
3. STRUCTURAL DESIGN TO BE PROVIDED BY BUILDING MANUFACTURER.



Notes

[illegible]

Client/Project

UTAH NATIONAL GUARD
SPANISH FORK ARMORY
REMODEL
Spanish Fork UT U.S.A.

Title

FLOOR PLAN, ROOF PLAN & DETAILS

Project No.	Scale	
DFCM#07263470		
Drawing No.	Sheet	Revision

AE101 of C

FIXTURE SCHEDULE				
TYPE	DESCRIPTION	CATALOG NUMBER	VOLTS	LAMPS
A	2 LAMP T8 FLUORESCENT INDUSTRIAL FIXTURE WITH COLD WEATHER ELECTRONIC BALLAST	LITHONIA AFST 232 120 CW METALUX ECIM 232 120V CW LIGHTOLIER TF4S232 120 SO CW DAY-BRITE 1F 232-PPS-120-LT COLUMBIA KL4-232-PRST-EBBZ 120	120	(2) F032/835
B	250 WATT METAL HALIDE WALL PACK WITH PHOTOCELL	LITHONIA TWH 250M 120 PE LUMARK MH WL 250 120V PE GENERAL ELECTRIC WM4T250M/PEK-120 DAY-BRITE WLR 250M 12-WLS-PEC12 HUBBELL PGM-250H-128-1-PBT-1	120	(1) 250W MH

<p>LIGHT FIXTURE ABBREVIATION SCHEDULE</p>		<p>LIGHT FIXTURE GENERAL NOTES</p>	
<p>NOTE: NOT ALL ABBREVIATIONS WILL NECESSARILY BE USED.</p>			
A.F.F.	ABOVE FINISHED FLOOR	<ol style="list-style-type: none"> 1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO BIDDING. 2. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING. 3. REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, FUSING, BALLAST, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUFACTURERS. 4. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR LOUVER REQUIREMENTS AS REQUIRED. 5. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE. 	
WALL@CLG	WALL MOUNT AT CORNER OF WALL AND CEILING		
CCBA	CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT		
SCBA	STANDARD PAINTED COLOR AS SELECTED BY THE ARCHITECT		
CFBA	CUSTOM FINISH AS SELECTED BY THE ARCHITECT		
SFBA	STANDARD FINISH AS SELECTED BY THE ARCHITECT		
MOD	MODIFY STANDARD LIGHT FIXTURE AS INDICATED		
<p>BIDDING REQUIREMENTS</p>			
<ol style="list-style-type: none"> 1. BID ONLY PRODUCTS THAT ARE SPECIFIED OR APPROVED BY ADDENDUM. 2. PACKAGING OF LIGHT FIXTURES WITH OTHER SYSTEMS IS <u>NOT</u> ALLOWED. 3. WHEN ONLY ONE PRODUCT IS APPROVED FOR BIDDING, THE PRICE FOR THAT ITEM SHALL BE BROKEN OUT SEPARATELY WHEN SUBMITTING PRICING TO VARIOUS DISTRIBUTORS AND/OR CONTRACTORS. 4. WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, THE DESCRIPTION SHALL GOVERN. 			
<p>PRIOR APPROVAL REQUIREMENTS</p>			
<ol style="list-style-type: none"> 1. PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT. 2. PRIOR APPROVALS SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) EIGHT WORKING DAYS BEFORE THE BID. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE REJECTED. 3. PRIOR APPROVALS SHALL BE SIGNED BY A PRINCIPAL OF THE SUBMITTING ORGANIZATION STATING THAT THEY HAVE PREPARED AND/OR REVIEWED THE SUBMITTAL AND THAT THE PRODUCTS PROPOSED ARE EQUIVALENT TO THOSE SPECIFIED. ANY EXCEPTIONS SHALL BE SO NOTED. 4. ITEMS THAT ARE SUBMITTED AND HAVE BEEN APPROVED WILL BE LISTED IN THE ADDENDUM(S). VERBAL APPROVAL WILL <u>NOT BE</u> GIVEN ON ANY ITEM. 5. IT IS <u>NOT</u> THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER TO NOTIFY THE SUBMITTING PARTY OF ERRORS IN THE SUBMITTAL. NOTIFICATION OF ERRORS BY THE ELECTRICAL ENGINEER PRIOR TO ISSUANCE OF THE ADDENDUM(S) MAY NOT BE GIVEN. 6. PRIOR APPROVALS SHALL CONSIST OF TWO SETS OF CUT SHEETS DESCRIBING THE PRODUCTS BEING SUBMITTED AS EQUIVALENTS. FAXES ARE <u>NOT</u> ACCEPTABLE. ALL SPECIFICATION INFORMATION SHALL BE CLEARLY MARKED, WITH NON-APPLICABLE INFORMATION CROSSED OUT. COMPLETE PHOTOMETRIC DATA SHALL BE PROVIDED. PRODUCTS WITHOUT PHOTOMETRIC DATA WILL <u>NOT BE</u> APPROVED. 7. SUPPLY POINT-BY-POINTS AS REQUIRED BY THE ELECTRICAL ENGINEER AND/OR LIGHTING DESIGNER. 8. SAMPLE FIXTURES MUST BE SUPPLIED WITH A CORD, PLUG AND 120V BALLAST. 			
<p>LIGHTING SHOP DRAWING REQUIREMENTS</p>			
<ol style="list-style-type: none"> 1. REFER TO SPECIFICATIONS 16001, 16510 & 16551. 2. MUST INCLUDE BALLAST AND LAMP CUT SHEETS. 3. LINEAR LIGHTING MUST INCLUDE DETAILED DRAWINGS WITH SUPPORT DETAIL" 4. 5. 6. 			
<p>APPROVED.</p>		<p>, REVIEWED OR</p>	
<p>PROVIDE A LIST OF SPARE PARTS, EQUIPMENT & LAMPS.</p>			

GENERAL NOTES

1. CONSULT ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
2. VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO INSURE NEC CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
3. CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC.) OF EQUIPMENT FURNISHED UNDER DIVISION 15 WITH APPROVED MECHANICAL SHOP DRAWINGS BEFORE BEGINNING ROUGH IN.
4. SEE SECTION 16510 OF THE SPECIFICATION REQUIRED COORDINATION MEETINGS WITH MECHANICAL AND CEILING CONTRACTORS.
5. SEE APPLICABLE SHOP DRAWINGS FOR ROUGH IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC. WHERE APPLICABLE MOUNT ALL WIRING DEVICES ABOVE BACK SPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT.
6. SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS.
7. FINISHES OF ALL LIGHT FIXTURES SHALL BE AS SELECTED BY ARCHITECT.
8. THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THRU ELECTRICAL ROOMS OR SPACES, OR ABOVE OR BELOW ELECTRICAL EQUIPMENT IN OTHER AREAS.
9. ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY COLUMNS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO OPENINGS. COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR.
10. ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.
11. CIRCUITS EXTENDING OVER 70' FOR 120 VOLT AND 165' FOR 277 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH MINIMUM #10 CONDUCTORS.
12. ALL CONDUIT SHALL BE 3/4" MINIMUM.

SHEET KEYNOTES

1	CIRCUIT TO RECEPTACLE THIS BAY.
2	CIRCUIT TO LIGHT FIXTURE THIS BAY.

ELECTRICAL SYMBOL SCHEDULE			
1.	SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.		
2.	HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISH FLOOR.		
3.	REFER TO DRAWINGS FOR DIRECTIONAL ARROWS.		
4.	SUBSCRIPT KEYS SWITCH TO FIXTURES CONTROLLED.		
5.	NEMA TYPE "ND" NON-FUSED UNLESS NOTED "F" (FUSED). USE "HD" 480 V.		
6.	HEIGHT TO BE THE LOWER OF EITHER 80" A.F.F. OR 6" BELOW CEILING.		
7.	PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED.		
8.	DOUBLE ARROWS DENOTE A DOUBLE FACE UNIT.		
9.	COORDINATE WITH MILLWORK SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT.		
10.	SUBSCRIPT DENOTES NEMA CONFIGURATION.		
11.	HEIGHT MEASURED TO BOTTOM OF THE BOX FROM FINISH FLOOR.		
STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS			
SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
	ONE CIRCUIT, TWO WIRE HOME RUN TO PANEL		
	2 CIRCUIT, 3 WIRE, COMMON NEUTRAL HOME RUN		
	3 CIRCUIT, 4 WIRE, COMMON NEUTRAL HOME RUN		
	CONDUIT RUN CONCEALED IN WALL OR CEILING		
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND		
	CONDUIT UP		
	CONDUIT DOWN		
	CONDUIT STUB LOCATION	CAP CONDUIT	
	CABLE TRAY	AS NOTED	
	CEILING LIGHT FIXTURE	CEILING	1.
	WALL LIGHT FIXTURE	AS NOTED	1.
	RECESSED DOWNLIGHT FIXTURE	CEILING	1.
	FLUORESCENT LIGHT FIXTURE	AS NOTED	1
	FLUORESCENT EGRESS LIGHT FIXTURE	AS NOTED	UNSWITCHED
	AREA LIGHT POLE AND FIXTURE	CONCRETE BASE	SEE DIAGRAM
	FLOOD OR TRACK FIXTURE	AS NOTED	
	CEILING MOUNTED EXIT LIGHT	CEILING	1.3.8.
	WALL MOUNTED EXIT LIGHT	AS NOTED	1.3.8.
	SINGLE POLE SWITCH	+4'-0"	2.
	SINGLE POLE SWITCH	+4'-0"	4. 2.
	THREE-WAY SWITCH	+4'-0"	2.
	FOUR-WAY SWITCH	+4'-0"	2.
	KEY OPERATED SWITCH	+4'-0"	2.
	SWITCH WITH PILOT LIGHT	+4'-0"	2.
	VARIABLE INTENSITY SWITCH	+4'-0"	2.
	TIMER SWITCH	+4'-0"	2.
	POWER PACK	CEILING	SEE DIAGRAM, SPEC.
	DUPLEX RECEPTACLE	UPPER OUTLET SWITCH CONTROLLED	+16" OR AS NOTED 9. 11.
	DUPLEX RECEPTACLE		+16" OR AS NOTED 9. 11.
	DUPLEX RECEPTACLE		+24" OR AS NOTED 9.
	WEATHERPROOF RECEPTACLE		+16" OR AS NOTED 2. 9.
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE		+16" OR AS NOTED 9. 11.
	FOURPLEX RECEPTACLE		+16" OR AS NOTED 9. 11.
	SPECIAL PURPOSE OUTLET		+16" OR AS NOTED 10. WITH CAP. 11.
	TELEPHONE/DATA OUTLET		+16" OR AS NOTED 9. 11.
	TELEPHONE OUTLET	FLOOR	
	JUNCTION BOX ("F" IN FLOOR)	AS NOTED	
	MOTOR OUTLET	TO SUIT EQUIP.	
	PHOTO-ELECTRIC CONTROL	AS NOTED	TORK 2000A
	TIME CLOCK	+5'-0"	2.
	PUSHBUTTON	+4'-0"	2.
	NON-FUSED DISCONNECT SWITCH	+5'-0"	5.
	FUSED DISCONNECT SWITCH	+5'-0"	5.
	MANUAL STARTER THERMAL OVERLOAD SWITCH WITH PILOT LIGHT	+4'-0"	2.
	MAGNETIC STARTER	+5'-0"	7.
	MAGNETIC STARTER / DISCONNECT COMBINATION	+5'-0"	
	VARIABLE FREQUENCY DRIVE	+6'-6"	
	PANEL BOARD	TOP AT +6'-0"	
	ARCHITECTURAL ROOM NUMBER		
	LIGHT FIXTURE (LETTER DESIGNATES TYPE)		
	EQUIPMENT NUMBER		

INDEX OF ELECTRICAL DRAWINGS	
EG001	SYMBOLS, SCHEDULES NOTE, & FLOOR PLANS
ES101	ELECTRICAL SITE PLAN
EX101	ONE LINE DIAGRAM & PANELBOARD SCHEDULES

[illegible]

1	PRELIMINARY SUBMITTAL	AEA	GP	07/10/07
Issued		By	Appd.	YY.MM.DD

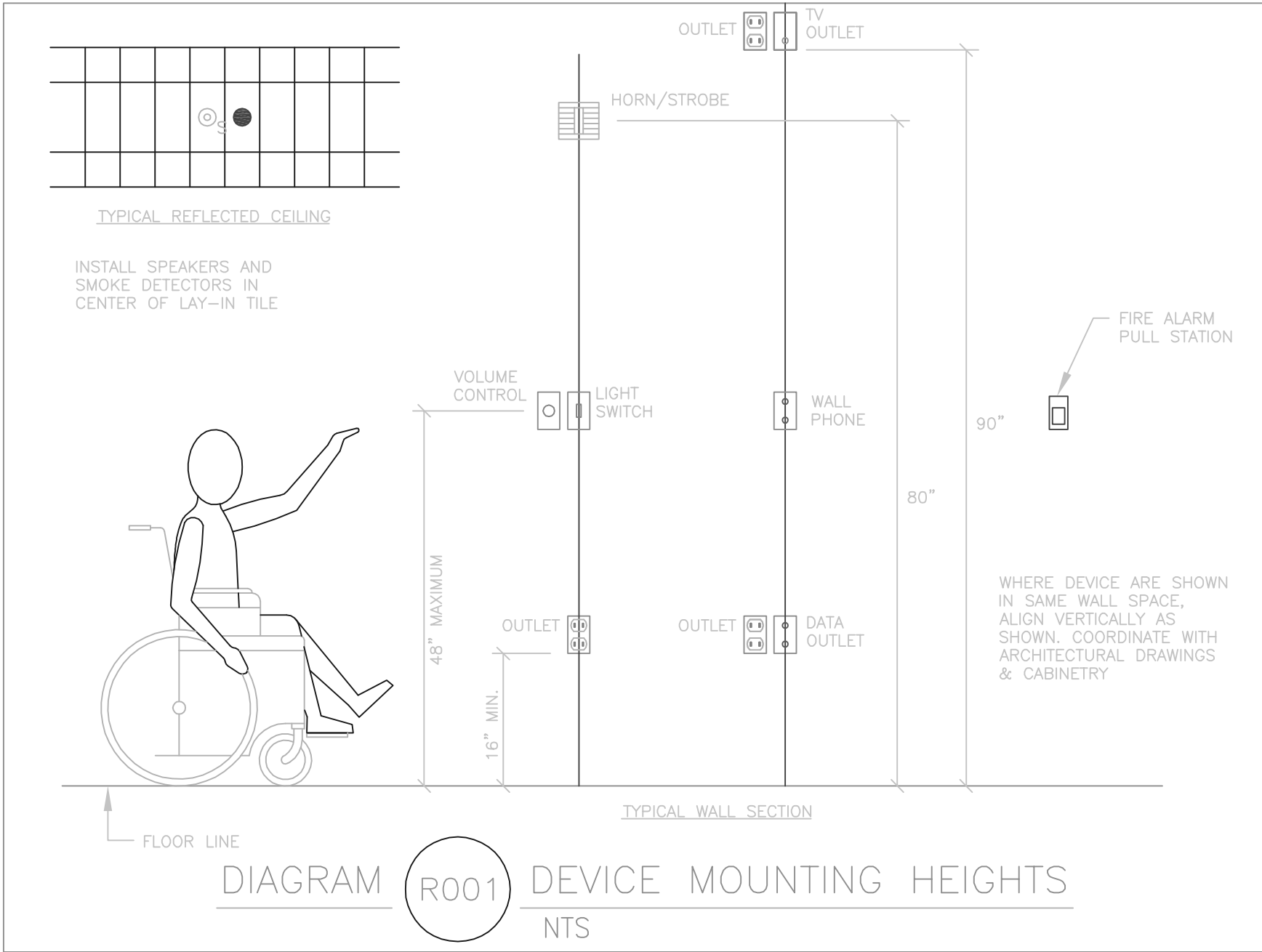
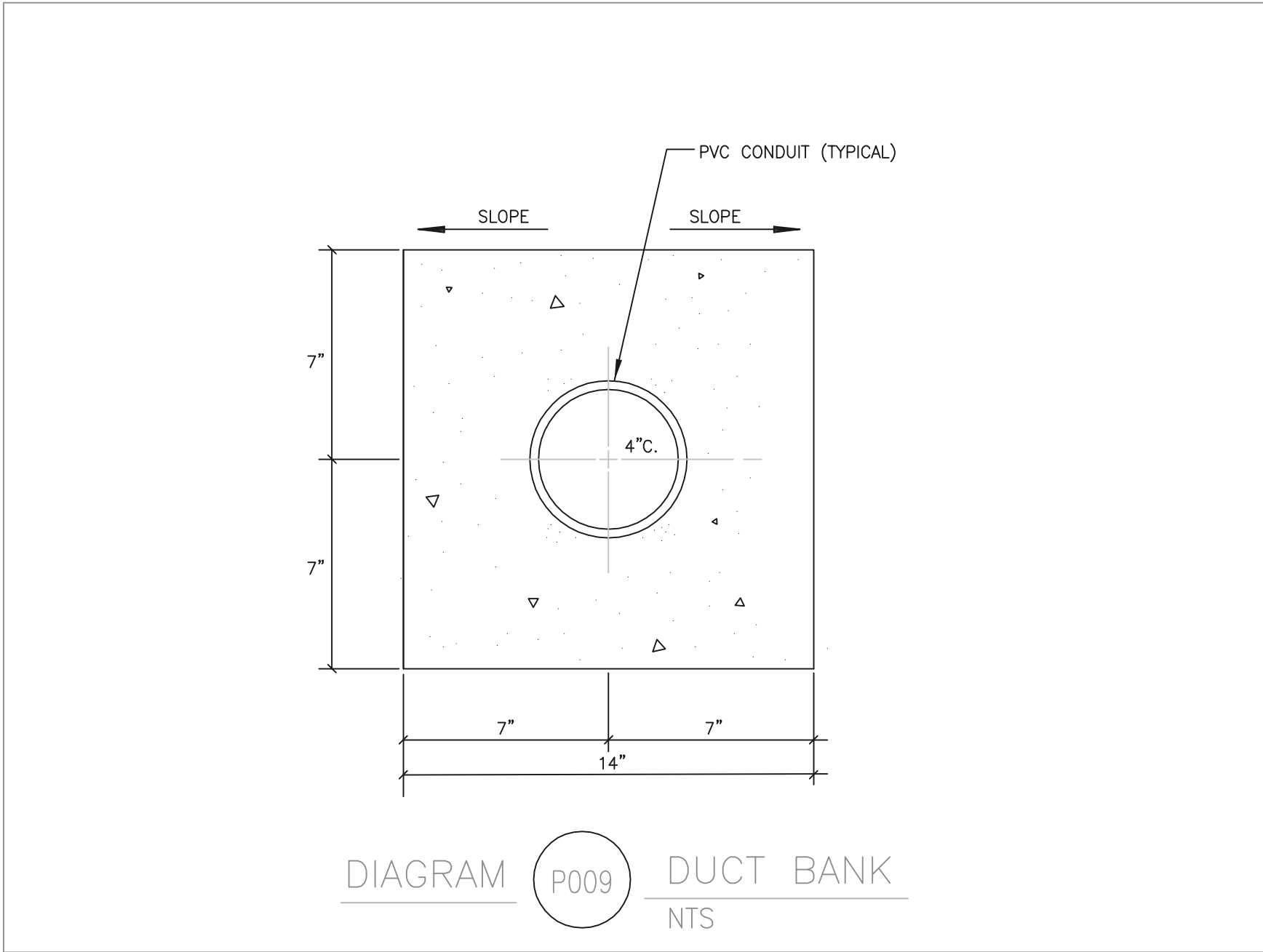
File Name: 02014c-building site plan.dwg	AEA	GP	AEA	07/05/07
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Revision

0

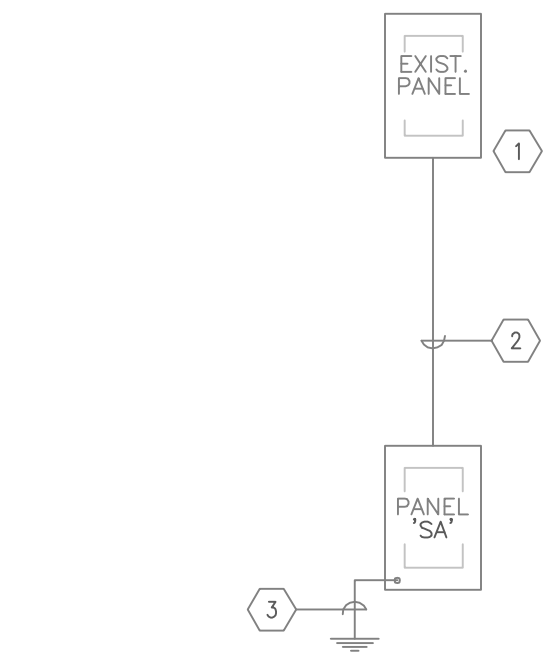


By: paul; Aug 23, 2007 -- 10:07am
F:\2007\326A\DRAW\326A-EX101.dwg

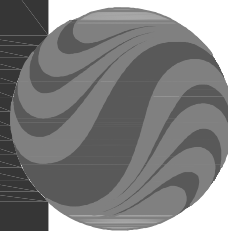


PANELBOARD SCHEDULE																	
PANEL		SA		TYPE		NQOB		120/240		VOLTS		1		PH	3		W
MOUNTING		FLUSH X SURFACE		DIMENSIONS		20 W 6 D H		(in.)		LOCATION		STORAGE BLDG		MAINS		LUGS BREAKER SUBFEED LUGS ISO GROUND 200% NEUTRAL	
																X	
BRANCH BREAKERS																	
ITEM		AMPS	POLE	WIRE SIZE	CIR. NO.	L. PHASE LOAD		R. PHASE LOAD		CIR. NO.	AMPS	POLE	WIRE SIZE	ITEM			
LIGHTING		20	1	12	1	600	A B		A B		2	20	1	SPARE			
LIGHTING		20	1	12	3	660	660				4	20	1	SPARE			
LIGHTING		20	1	10	5	660					6	20	1	SPARE			
LIGHTING		20	1	10	7	600					8	20	1	SPARE			
SPACE ONLY					9						10			SPACE ONLY			
SPACE ONLY					11						12			SPACE ONLY			
SPACE ONLY					13						14			SPACE ONLY			
SPACE ONLY					15						16			SPACE ONLY			
SPACE ONLY					17						18			SPACE ONLY			
SPACE ONLY					19						20			SPACE ONLY			
					21						22						
					23						24						
					25						26						
					27						28						
					29						30						
					31						32						
					33						34						
					35						36						
					37						38						
					39						40						
					41						42						
						1260	1260	0	0	CONNECTED LOAD TOTAL							
						1260	1260	TOTAL		2520 W							
						10.50	10.50	AMPS/PHASE		EQUIP RATING 10,000 AMPS RMS SYM.							

- ### SHEET KEYNOTES
- 1 PROVIDE NEW 60 AMP, 2 POLE, BREAKER IN EXISTING PANEL TO FEED NEW PANEL 'SA'.
 - 2 PROVIDE (3) #2 THWN CU, (1) #6 THWN CU GND. IN A 1-1/2" CONDUIT.
 - 3 PROVIDE (1) #8 THWN CU GROUND CONDUCTOR TO TWO GROUND RODS DRIVEN EXTERIOR TO BUILDING, TIE TO BUILDING STRUCTURAL STEEL AND TO UFER GROUND IN FOOTING PER SPECIFICATION.



1 ONE-LINE DIAGRAM
NO SCALE



Stantec Consulting Inc.
Suite 300, 3995 South 700 East
Salt Lake City UT U.S.A.
84107
Tel. 801.743.0696
Fax. 801.743.0697
www.stantec.com

Stantec

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Consultants

Legend

Notes



Revision

1 PRELIMINARY SUBMITTAL
Issued

File Name: 02014c--building site plan.dwg
Dwn. Chkd. Dsgn.

Permit-Seal

Client/Project

UTAH NATIONAL GUARD
SPANISH FORK ARMORY
PARKING IMPROVEMENTS
Spanish Fork UT U.S.A.

Title

ONE-LINE DIAGRAM AND
PANELBOARD SCHEDULES

Project No. 07326A
Drawing No.

Scale
NTS

Revision

EX101 of 0